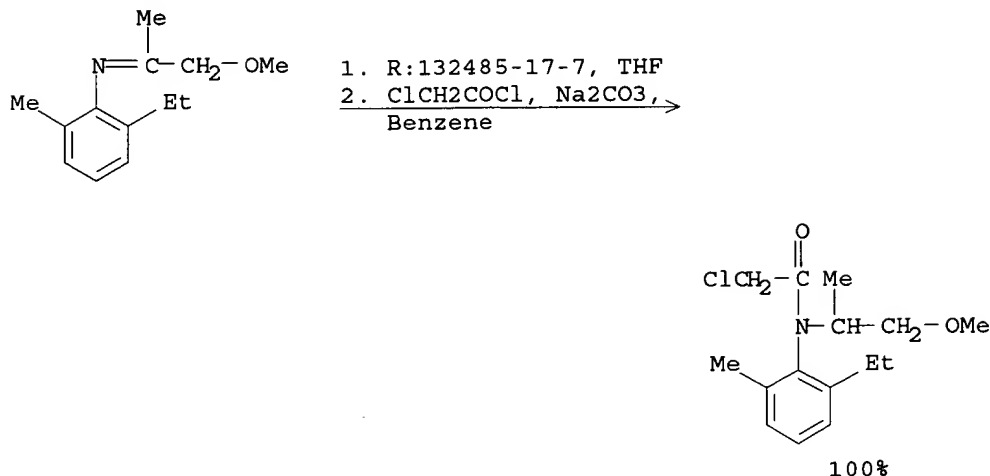


L4 1 SEA SSS FUL L1 (1 REACTIONS)

=> d

L4 ANSWER 1 OF 1 CASREACT COPYRIGHT 1997 ACS

RX(6) OF 8 - 2 STEPS



REF: Tetrahedron: Asymmetry, 3(3), 337-40; 1992
NOTE: 1) Stereoselective

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
76.96	77.43

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:49:32 ON 06 MAR 97

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FILE COVERS 1967 - 6 Mar 1997 VOL 126 ISS 10

FILE LAST UPDATED: 6 Mar 1997 (970306/ED)

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Some chemical substances have deleted CAS Registry Numbers. To ensure that you are using the most current CAS REGISTRY Number, and for a more complete search, start your CAS Registry Number search in the REGISTRY file. Then use the L-number answer set from REGISTRY as a search term in CAPLUS.

For information on changes to CA General Subject Index terms in 1997, see the CAS Web search aid at <http://www.cas.org/terms/vocab.html>

=> s l4

L5 1 L4

=> d

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 1997 ACS
AN 1992:407615 CAPLUS
DN **117:7615**
TI Enantioselective synthesis of optically active metolachlor via
asymmetric reduction
AU Cho, Byung Tae; Chun, Yu Sung
CS Dep. Chem., Hallym Univ., Chunchon, 200-702, S. Korea
SO Tetrahedron: Asymmetry (1992), 3(3), 337-40
CODEN: TASYE3; ISSN: 0957-4166
DT Journal
LA English
OS CASREACT 117:7615

* * * * * STN Columbus * * * * *

*CEDB - File is no longer available

* The files listed above are temporarily unavailable.

FILE 'HOME' ENTERED AT 14:56:27 ON 06 MAR 97

=> file casreact

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'CASREACT' ENTERED AT 14:56:38 ON 06 MAR 97

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FILE CONTENT:1985-1996 (VOL 102 ISS 1 - VOL 126 ISS 9

```
>>> Several important enhancements to CASREACT functional group <<<
>>> searching were introduced. Enter HELP FGA or HELP FGC for more <<<
>>> information. <<<
```

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading c:\stnexp4\queries\779.str

L1 STRUCTURE UPLOADED

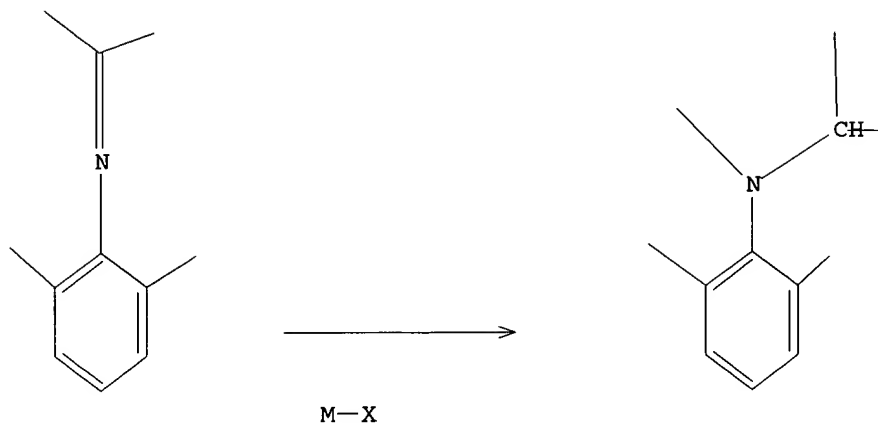
=> que L1

L2 QUE L1

=> d

'L2' HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2 QUE L1

=> s l2

SAMPLE SEARCH INITIATED 14:57:23

SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS
 100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
 SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 0 TO 0
 PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1 (0 REACTIONS)

=> s l2 full

FULL SEARCH INITIATED 14:57:33

SCREENING

SCREENING

SCREENING COMPLETE - 78 REACTIONS TO VERIFY FROM 17 DOCUMENTS
 97.4% DONE 76 VERIFIED 0 HIT RXNS 0 DOCS
 97.4% DONE 76 VERIFIED 0 HIT RXNS 0 DOCS
 97.4% DONE 76 VERIFIED 0 HIT RXNS 0 DOCS
 100.0% DONE 78 VERIFIED 0 HIT RXNS 0 DOCS
 SEARCH TIME: 00.01.33

L4 0 SEA SSS FUL L1 (0 REACTIONS)

=> file casreact

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	74.85	75.00

FILE 'CASREACT' ENTERED AT 14:59:32 ON 06 MAR 97
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FILE CONTENT:1985-1996 (VOL 102 ISS 1 - VOL 126 ISS 9

>>> Several important enhancements to CASREACT functional group <<<
 >>> searching were introduced. Enter HELP FGA or HELP FGC for more <<<

>>> information.

<<<

=>Testing the current file.... screen
ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading c:\stnexp4\queries\779.str

L5 STRUCTURE UPLOADED

=>

Uploading c:\stnexp4\queries\779.str

L6 STRUCTURE UPLOADED

=>

Uploading c:\stnexp4\queries\779.str

L7 STRUCTURE UPLOADED

=> que L7

L8 QUE L7

=> s 15

SAMPLE SEARCH INITIATED 15:00:17

SCREENING

SCREENING

SCREENING

SCREENING

SCREENING

SCREENING

SCREENING COMPLETE - 143665 REACTIONS TO VERIFY FROM 6349 DOCUMENTS

2.1% DONE 3000 VERIFIED 554 HIT RXNS 50 DOCS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.01.39

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED VERIFICATIONS: EXCEEDS 1000000

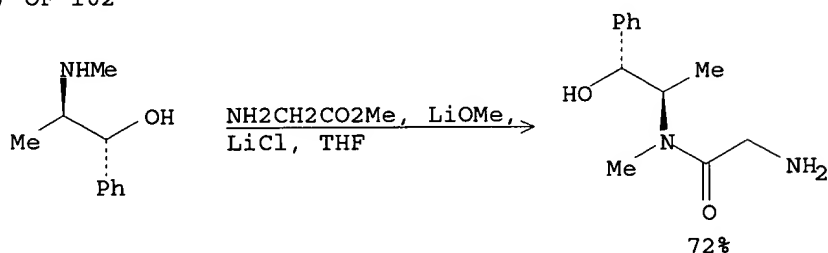
PROJECTED ANSWERS: EXCEEDS 24106

L9 50 SEA SSS SAM L5 (554 REACTIONS)

=> d 19

L9 ANSWER 1 OF 50 CASREACT COPYRIGHT 1997 ACS

RX(2) OF 102



REF: J. Am. Chem. Soc., 119(4), 656-673; 1997

=> d 19 2

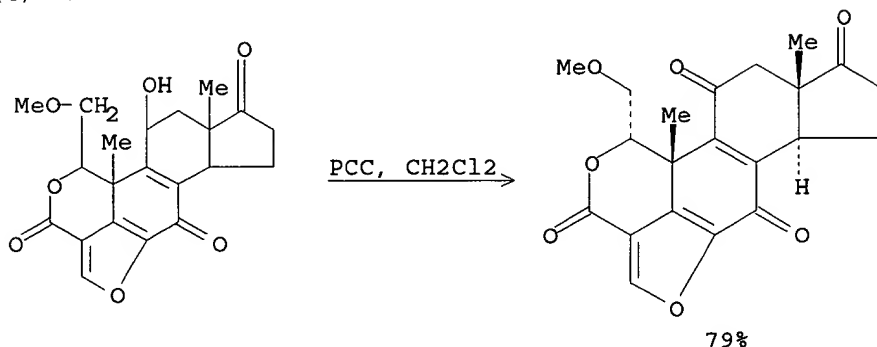
L9 ANSWER 2 OF 50 CASREACT COPYRIGHT 1997 ACS

RX(1) OF 4 - REACTION DIAGRAM NOT AVAILABLE

=> d 19 3

L9 ANSWER 3 OF 50 CASREACT COPYRIGHT 1997 ACS

RX(2) OF 20



REF: J. Med. Chem., 39(25), 5021-5024; 1996

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.50

80.50

FILE 'CAPLUS' ENTERED AT 15:03:00 ON 06 MAR 97

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FILE COVERS 1967 - 6 Mar 1997 VOL 126 ISS 10

FILE LAST UPDATED: 6 Mar 1997 (970306/ED)

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Some chemical substances have deleted CAS Registry Numbers. To ensure that you are using the most current CAS REGISTRY Number, and for a more complete search, start your CAS Registry Number search in the REGISTRY file. Then use the L-number answer set from REGISTRY as a search term in CAplus.

For information on changes to CA General Subject Index terms in 1997, see the CAS Web search aid at <http://www.cas.org/terms/vocab.html>

=> s 19

L10 50 L9

=> d l10 1-50 hitstr

L10 ANSWER 1 OF 50 CAPLUS COPYRIGHT 1997 ACS

L10 ANSWER 2 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 3 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 4 OF 50 CAPLUS COPYRIGHT 1997 ACS
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L10 ANSWER 7 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 8 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 9 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 10 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 11 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 12 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 13 OF 50 CAPLUS COPYRIGHT 1997 ACS
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L10 ANSWER 44 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 45 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 46 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 47 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 48 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 49 OF 50 CAPLUS COPYRIGHT 1997 ACS
L10 ANSWER 50 OF 50 CAPLUS COPYRIGHT 1997 ACS

=> d l10 1-50

L10 ANSWER 1 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1997:21016 CAPLUS
DN **126:89741**
TI Highly Practical Methodology for the Synthesis of D- and
L-.alpha.-Amino Acids, N-Protected .alpha.-Amino Acids, and
N-Methyl-.alpha.-amino Acids
AU Myers, Andrew G.; Gleason, James L.; Yoon, Taeyoung; Kung, Daniel W.
CS Division of Chemistry and Chemical Engineering, California Institute
of Technology, Pasadena, CA, 91125, USA
SO J. Am. Chem. Soc. (1997), 119(4), 656-673
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English
OS CASREACT 126:89741; CJACS-IMAGE; CJACS

L10 ANSWER 2 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:723525 CAPLUS
DN **126:60116**

TI Synthesis and stereochemistry of bis(cyclopalladium) complexes of
1,1'-bis[1-(arylimino)ethyl]ferrocenes
AU Wu, Yang Jie; Liu, Yuan Hong; Yang, Li; Zhu, Qixiu
CS Department of Chemistry, Zhengzhou University, Zhengzhou, 450052,
Peop. Rep. China
SO Polyhedron (1996), Volume Date 1997, 16(2), 335-339
CODEN: PLYHDE; ISSN: 0277-5387
DT Journal
LA English
OS CASREACT 126:60116

L10 ANSWER 3 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:721751 CAPLUS
DN **126:47268**

TI Chirality Transfer via the Palladium-Catalyzed Cross-Coupling
Reaction of Optically Active 2-Cyclohexenylsilane: Stereochemical
and Mechanistic Aspects
AU Hiyama, Tamejiro; Matsushashi, Hayao; Fujita, Akinori; Tanaka,
Makoto; Hirabayashi, Kazunori; Shimizu, Masaki; Mori, Atsunori
CS Research Laboratory of Resources Utilization, Tokyo Institute of
Technology, Nagatsuta, 226, Japan
SO Organometallics (1996), 15(26), 5762-5765
CODEN: ORGND7; ISSN: 0276-7333
DT Journal
LA English
OS CASREACT 126:47268; CJACS-IMAGE; CJACS

L10 ANSWER 4 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:716025 CAPLUS
DN **126:46997**

TI An improved method for the preparation of N-unsubstituted
1,4,5,6-tetrahydrocyclopenta[b]pyrroles. Synthesis of an
azaprostacyclin analog and its 7-cyano derivative
AU Rousseau, Brigitte; Nydegger, Fredy; Gossauer, Albert;
Bennua-Skalmowski, Baerbel; Vorbrueggen, Helmut
CS Institut Organische Chemie, Universitaet Fribourg, Fribourg,
CH-1700, Switz.
SO Synthesis (1996), (11), 1336-1340
CODEN: SYNTBF; ISSN: 0039-7881
DT Journal
LA English
OS CASREACT 126:46997

L10 ANSWER 5 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:683325 CAPLUS
DN **126:8091**

TI Solid-phase synthesis of 1,4-benzodiazepine-2,5-diones
AU Mayer, John P.; Zhang, Jingwen; Bjergarde, Kirsten; Lenz, Doug M.;
Gaudino, John J.
CS Amgen Boulder Inc., Boulder, CO, 80301, USA
SO Tetrahedron Lett. (1996), 37(45), 8081-8084
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 126:8091

L10 ANSWER 6 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:681490 CAPLUS
DN **126:54514**

TI Synthesis and in Vitro Evaluation of New Wortmannin Esters: Potent
Inhibitors of Phosphatidylinositol 3-Kinase
AU Creemer, Lawrence C.; Kirst, Herbert A.; Vlahos, Chris J.; Schultz,
Richard M.
CS Lilly Research Laboratories, Greenfield, IN, 46140, USA
SO J. Med. Chem. (1996), 39(25), 5021-5024
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
OS CASREACT 126:54514; CJACS-IMAGE; CJACS

L10 ANSWER 7 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:674407 CAPLUS
DN **125:328989**

TI Stereodivergent C-C Bond Formation on Arene-Chromium Template:
Endo-Selective Allylation by Hosomi-Sakurai Reaction
AU Sur, Surojit; Ganesh, Sambasivam; Pal, Debnath; Puranik, Vedavati
G.; Chakrabarti, Pinak; Sarkar, Amitabha
CS Divisions of Organic Chemistry (Synthesis) and Physical Chemistry,
National Chemical Laboratory, Pune, 411 008, India
SO J. Org. Chem. (1996), 61(24), 8362-8363
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
OS CASREACT 125:328989; CJACS-IMAGE; CJACS

L10 ANSWER 8 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:668731 CAPLUS
DN **126:18570**

TI Stereoselective synthesis of trifluoromethylated
.alpha.-chloro-.alpha.,.beta.-unsaturated esters and nitriles
AU Shen, Yanchang; Gao, Shu
CS Shanghai Inst. Organic Chem., Academia Sinica, Shanghai, 200032,
Peop. Rep. China
SO J. Chem. Soc., Perkin Trans. 1 (1996), (20), 2531-2533
CODEN: JCPRB4; ISSN: 0300-922X
DT Journal
LA English
OS CASREACT 126:18570; CJRSC

L10 ANSWER 9 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:616758 CAPLUS
DN **126:8335**

TI A Highly Efficient Total Synthesis of (+)-Himbacine
AU Chackalamannil, Samuel; Davies, Robert J.; Asberom, Theodros;
Doller, Dario; Leone, Daria
CS Schering-Plough Research Institute, Kenilworth, NJ, 07033, USA
SO J. Am. Chem. Soc. (1996), 118(40), 9812-9813
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English
OS CASREACT 126:8335; CJACS-IMAGE; CJACS

L10 ANSWER 10 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:616744 CAPLUS
DN **126:8374**

TI The Total Synthesis of a Natural Cardenolide: (+)-Digitoxigenin
AU Stork, Gilbert; West, Fred; Lee, Hee Yoon; Isaacs, Richard C. A.;
Manabe, Shino

CS Department of Chemistry, Columbia University, New York, NY, 10027,
 USA
 SO J. Am. Chem. Soc. (1996), 118(43), 10660-10661
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA English
 OS CASREACT 126:8374; CJACS-IMAGE; CJACS

L10 ANSWER 11 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:605955 CAPLUS
 DN **125:301245**
 TI Synthesis of 2,2-dimethyl-4-cyclopentene-1,3-dione and
 5,5-dimethyl-4-hydroxy-2-cyclopenten-1-one
 AU Kreiser, Wolfgang; Wiggermann, Annette; Krief, Alain; Swinnen,
 Dominique
 CS Naturstoffchemie, Univ. Dortmund, Bruselles, B-5000, Belg.
 SO Tetrahedron Lett. (1996), 37(39), 7119-7122
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English
 OS CASREACT 125:301245

L10 ANSWER 12 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:590418 CAPLUS
 DN **125:275302**
 TI Cross-Coupling Reactions of Aryl Chlorides with Organochlorosilanes:
 Highly Effective Methods for Arylation or Alkenylation of Aryl
 Chlorides
 AU Gouda, Ken-ichi; Hagiwara, Emiko; Hatanaka, Yasuo; Hiyama, Tamejiro
 CS Sagami Chemical Research Center, Sagamihara, 229, Japan
 SO J. Org. Chem. (1996), 61(21), 7232-7233
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English
 OS CASREACT 125:275302; CJACS-IMAGE; CJACS

L10 ANSWER 13 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:588631 CAPLUS
 DN **125:247479**
 TI Preparation of 13-alkylmilbemycin derivatives via alkylation of
 15-alkylcarbamoylemilbemycins with alkyl lithium cuprates
 IN Saito, Akio; Naito, Satoru
 PA Sankyo Co, Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 PI JP 08183790 A2 960716 Heisei
 AI JP 94-327163 941228
 DT Patent
 LA Japanese
 OS CASREACT 125:247479; MARPAT 125:247479

L10 ANSWER 14 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:528819 CAPLUS
 DN **125:247460**
 TI Simple synthesis of trans-.alpha.,.beta.-dibenzyl-.gamma.-
 butyrolactone lignans by diastereoselective reduction of
 .alpha.-benzylidene-.beta.-benzyl-.gamma.-butyrolactones using
 NaBH4-NiCl2
 AU Moritani, Yasunori; Fukushima, Chiaki; Miyagishima, Toshikazu;

Ohmizu, Hiroshi; Iwasaki, Tameo
CS Lead Optimization Res. Lab., Tanabe Seiyaku Co., Ltd., Osaka, 532,
Japan
SO Bull. Chem. Soc. Jpn. (1996), 69(8), 2281-2286
CODEN: BCSJA8; ISSN: 0009-2673
DT Journal
LA English
OS CASREACT 125:247460

L10 ANSWER 15 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:522582 CAPLUS
DN **125:247173**
TI An expeditious synthesis of alk-2-yn-1-ols
AU Zwierzak, Andrzej; Tomassy, Beata
CS Inst. Org. Chem., Technical Univ., Lodz, 90-924, Pol.
SO Synth. Commun. (1996), 26(19), 3593-3600
CODEN: SYNCAV; ISSN: 0039-7911
DT Journal
LA English
OS CASREACT 125:247173

L10 ANSWER 16 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:484609 CAPLUS
DN **125:276313**
TI Reaction and stereochemistry of C-glycosidation in
2-deoxy-4-thioribofuranoside
AU Uenishi, Jun'ichi; Sohma, Atsushi; Yonemitsu, Osamu
CS Fac. Sci., Okayama Univ. Sci., Okayama, 700, Japan
SO Chem. Lett. (1996), (8), 595-596
CODEN: CMLTAG; ISSN: 0366-7022
DT Journal
LA English
OS CASREACT 125:276313

L10 ANSWER 17 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:360170 CAPLUS
DN **125:168187**
TI Tin for organic synthesis. Part 15. The use of 1,2-
bis(trimethylstannyl)-1-alkenes in electrophilic destannylation
reactions
AU Niestroj, Michael; Neumann, Wilhelm P.; Mitchell, Terence N.
CS Fachbereich Chemie, Universitaet Dortmund, Dortmund, D-44221,
Germany
SO J. Organomet. Chem. (1996), 519(1-2), 45-68
CODEN: JORCAI; ISSN: 0022-328X
DT Journal
LA English
OS CASREACT 125:168187; CJELSEVIER

L10 ANSWER 18 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:331003 CAPLUS
DN **125:114786**
TI Neutral lanthanide silyl complexes via .sigma.-bond metathesis
reactions
AU Radu, Nora S.; Tilley, T. Don; Rheingold, Arnold L.
CS Department of Chemistry, University of California, Berkeley,
Berkeley, CA, 94720-1460, USA
SO J. Organomet. Chem. (1996), 516(1-2), 41-49
CODEN: JORCAI; ISSN: 0022-328X

DT Journal
LA English
OS CASREACT 125:114786; CJELSEVIER

L10 ANSWER 19 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:327550 CAPLUS
DN **125:58594**

TI Diastereoselective synthesis of heterosubstituted organogembismetallic reagents. Application to a new propargylmetalation reaction of vinyl metals
AU Brasseur, Denis; Marek, Ilane; Normant, Jean-F.
CS Lab. Chim. Org., associe au CNRS, Univ. P. et M. Curie, Paris, 75231, Fr.
SO Tetrahedron (1996), 52(21), 7235-7250
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English
OS CASREACT 125:58594

L10 ANSWER 20 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:290134 CAPLUS
DN **124:343710**

TI Stereoselective Synthesis of 8,12-Furanoendesmanes from Santonin. Absolute Stereochemistry of Natural Furanoendesma-1,3-diene and Tubipofurane
AU Blay, Gonzalo; Cardona, Luz; Garcia, Begona; Pedro, Jose R.; Sanchez, Juan J.
CS Facultat de Quimica, Universitat de Valencia, Burjassot, E- 46100, Spain
SO J. Org. Chem. (1996), 61(11), 3815-3819
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
OS CASREACT 124:343710; CJACS-IMAGE; CJACS

L10 ANSWER 21 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:279312 CAPLUS
DN **125:33897**

TI The preparation of forskolin analogs via quinone Diels-Alder reactions
AU Levin, Jeremy I.
CS Wyeth-Ayerst Res., Global Chem. Sci., Pearl River, NY, 10965, USA
SO Tetrahedron Lett. (1996), 37(18), 3079-3082
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 125:33897

L10 ANSWER 22 OF 50 CAPLUS COPYRIGHT 1997 ACS
AN 1996:274940 CAPLUS
DN **125:33652**

TI Method of synthesizing sterically hindered 5-substituted-1H-tetrazoles from nitriles using a Lewis acid and an azide
IN Galante, Rocco J.
PA American Cyanamid Co., USA
SO U.S., 6 pp. Cont. of U.S. Ser. No. 87,626, abandoned.
CODEN: USXXAM
PI US 5502191 A 960326
AI US 95-391317 950217

PRAI US 93-87626 930701

DT Patent

LA English

OS CASREACT 125:33652; MARPAT 125:33652

L10 ANSWER 23 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:274709 CAPLUS

DN **125:33955**

TI Glycosyl phosphates: a new latent-active anomeric phosphorylation strategy

AU Boons, Geert-Jan; Burton, Andrew; Wyatt, Paul

CS Sch. of Chemistry, Univ. of Birmingham, Birmingham, B15 2TT, UK

SO Synlett (1996), (4), 310-312

CODEN: SYNLES; ISSN: 0936-5214

DT Journal

LA English

OS CASREACT 125:33955

L10 ANSWER 24 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:266180 CAPLUS

DN **125:11117**

TI Reaction of zirconium and hafnium tetrachlorides with thiophosphenic acid N,N-bis(trimethylsilyl)amide-N'-tert-butylimide

AU Brusilovets, A. I.; Rusanov, E. B.; Trachevskii, V. V.

CS Kiev. Univ. im. Shevchenko, Kiev, Ukraine

SO Zh. Obshch. Khim. (1995), 65(11), 1816-18

CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

LA Russian

OS CASREACT 125:11117

L10 ANSWER 25 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:259458 CAPLUS

DN **124:317487**

TI Heteroaromatic diphosphines as chiral ligands

IN Antognazza, Patrizia; Benincori, Tiziana; Brenna, Elisabetta;

Cesarotti, Edoardo; Sanniccolo', Francesco; Trimarco, Licia

PA Italfarmaco Sud S.P.A., Italy

SO PCT Int. Appl., 68 pp.

CODEN: PIXXD2

PI WO 9601831 A1 960125

DS W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN

RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG

AI WO 95-EP2647 950707

PRAI IT 94-MI1438 940712

DT Patent

LA English

OS CASREACT 124:317487; MARPAT 124:317487

L10 ANSWER 26 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:222442 CAPLUS

DN **125:10199**

TI Sequenced Reactions with Samarium(II) Iodide. Tandem Nucleophilic Acyl Substitution/Ketyl-Olefin Coupling Reactions

AU Molander, Gary A.; Harris, Christina R.

CS Department of Chemistry and Biochemistry, University of Colorado,

Boulder, CO, 80309-0215, USA
 SO J. Am. Chem. Soc. (1996), 118(17), 4059-71
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA English
 OS CASREACT 125:10199; CJACS-IMAGE; CJACS

L10 ANSWER 27 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:198647 CAPLUS
 DN **124:316702**
 TI Synthesis of 2-acetyl-5,8-dihydro-1,4-dihydroxy-3-methyl
 naphthalene: a product from the isomerization of Diels-Alder adducts
 of both 5-methyl- and 6-methyl-2-acetyl-1,4-benzoquinone with
 1,3-butadiene
 AU Ahmad, Fujan B. H.; Bruce, J. Malcolm
 CS Dep. Chem., Univ. Pertanian Malaysia, Selangor, 43400, Malay.
 SO Synth. Commun. (1996), 26(7), 1263-71
 CODEN: SYNCAV; ISSN: 0039-7911
 DT Journal
 LA English
 OS CASREACT 124:316702

L10 ANSWER 28 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:194699 CAPLUS
 DN **124:261070**
 TI Serotonin 5-HT1A and dopamine D2 receptor ligands
 IN Perregaard, Jens Kristian; Moltzen, Ejner Knud
 PA H. Lundbeck A/S, Den.
 SO PCT Int. Appl., 38 pp.
 CODEN: PIXXD2
 PI WO 9533729 A1 951214
 DS W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI,
 GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG,
 MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA,
 US, UZ
 RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR,
 IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG
 AI WO 95-DK229 950608
 PRAI DK 94-657 940608
 DT Patent
 LA English
 OS CASREACT 124:261070; MARPAT 124:261070

L10 ANSWER 29 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:181362 CAPLUS
 DN **124:317503**
 TI Synthetic studies on aromadendrane-type compounds. III.
 Stereoselective total syntheses of (+)-aromadendrene and
 (-)-alloaromadendrene
 AU Tanaka, Tetsuaki; Maeda, Kimiya; Mikamiyama, Hidenori; Funakoshi,
 Yousuke; Uenaka, Kenji; Iwata, Chuza
 CS Fac. Pharmaceutical Sciences, Osaka Univ., Suita, 565, Japan
 SO Tetrahedron (1996), 52(12), 4257-68
 CODEN: TETRAB; ISSN: 0040-4020
 DT Journal
 LA English
 OS CASREACT 124:317503

L10 ANSWER 30 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1996:161892 CAPLUS
 DN **124:289986**
 TI Synthesis of steroidal .DELTA.20(22)-23-hydroximines and their derivatives via 17-isoxazolinylsteroids
 AU Litvinovskaya, R. P.; Baranovskii, A. V.; Khripach, V. A.
 CS Inst. Bioorg. Khim., Akad. Nauk Belarusi, Minsk, Belarus
 SO Zh. Org. Khim. (1995), 31(7), 1048-53
 CODEN: ZORKAE; ISSN: 0514-7492
 DT Journal
 LA Russian
 OS CASREACT 124:289986

L10 ANSWER 31 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:134980 CAPLUS
 DN **125:33888**
 TI Terpenes in organic synthesis. Part 15. A chemo-enzymic approach to the synthesis of all four stereoisomers of 2,6-dimethyloct-1-yl formate, an attractant of the smaller flour beetle, from enantiomeric .beta.-citronellenes
 AU Gamalevich, G. D.; Morozov, B. N.; Serebryakov, E. P.
 CS N. D. Zelinsky Institute Organic Chemistry, Russian Academy Sciences, Moscow, 117913, Russia
 SO Izv. Akad. Nauk, Ser. Khim. (1996), (1), 204-15
 CODEN: IASKEA
 DT Journal
 LA Russian
 OS CASREACT 125:33888

L10 ANSWER 32 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:128702 CAPLUS
 DN **124:261213**
 TI Novel Chelated Diorganolithate Ion [cyclic] [CH₂SiMe₂C(SiMe₃)₂LiC(SiMe₃)₂SiMe₂CH₂]- and Highly Crowded Chelated Organomercury Compound [cyclic] [CH₂SiMe₂C(SiMe₃)₂HgC(SiMe₃)₂SiMe₂CH₂]
 AU Eaborn, Colin; Lu, Zheng-Rong; Hitchcock, Peter B.; Smith, J. David
 CS School of Chemistry and Molecular Sciences, University of Sussex, Brighton, BN1 9QJ, UK
 SO Organometallics (1996), 15(6), 1651-5
 CODEN: ORGND7; ISSN: 0276-7333
 DT Journal
 LA English
 OS CASREACT 124:261213; CJACS-IMAGE; CJACS

L10 ANSWER 33 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:113775 CAPLUS
 DN **124:261526**
 TI Use of a Novel .alpha.-Hydroxyethylating Reagent in the Stereoselective Synthesis of Lincosamine
 AU van Delft, Floris L.; de Kort, Martin; van der Marel, Gijs A.; van Boom, Jacques H.
 CS Gorlaeus Laboratories, Leiden Institute of Chemistry, Leiden, 2300 RA, Neth.
 SO J. Org. Chem. (1996), 61(5), 1883-5
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English
 OS CASREACT 124:261526; CJACS-IMAGE; CJACS

L10 ANSWER 34 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:102299 CAPLUS
 DN **124:290072**
 TI A facile formal synthesis of D-ribo-C18-phytosphingosine
 AU Lia, Guo-qiang; Shi, Zhi-cai
 CS Shanghai Inst. Org. Chem., Chin. Acad. Sci., Shanghai, 200032, Peop.
 Rep. China
 SO Tetrahedron (1996), 52(6), 2187-92
 CODEN: TETRAB; ISSN: 0040-4020
 DT Journal
 LA English
 OS CASREACT 124:290072

L10 ANSWER 35 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:94714 CAPLUS
 DN **124:261413**
 TI Pyranofuranones via Lewis acid mediated hetero-Diels-Alder reactions
 of 4-furan-2(5H)-ones: a convergent route to the monoalide
 substructure
 AU Lattmann, E.; Coombs, J.; Hoffmann, H. M. R.
 CS Department Organic Chemistry, University Hannover, Hannover,
 D-30167, Germany
 SO Synthesis (1996), (1), 171-7
 CODEN: SYNTBF; ISSN: 0039-7881
 DT Journal
 LA English
 OS CASREACT 124:261413

L10 ANSWER 36 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:36676 CAPLUS
 DN **124:202080**
 TI Synthesis of 6-substituted 2-phenyloxazolo[4,5-b]pyridines
 AU Viaud, Marie-Claude; Jamoneau, Patricia; Savelon, Laurence;
 Guillaumet, Gerald
 CS Lab. Chimie Bioorganique Analytique, Univ. Orleans, Orleans, 45067,
 Fr.
 SO Heterocycles (1995), 41(12), 2799-809
 CODEN: HTCYAM; ISSN: 0385-5414
 DT Journal
 LA English
 OS CASREACT 124:202080

L10 ANSWER 37 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:10632 CAPLUS
 DN **124:202984**
 TI Versatile synthetic routes to threo-.beta.-amino hydroxy carboxylic
 acids, statine and its analogs
 AU Kang, Sung Ho; Ryu, Do Hyun
 CS Dep. Chem., Korea Advanced Inst. Sci. Technol., Taejon, 305-701, S.
 Korea
 SO Bioorg. Med. Chem. Lett. (1995), 5(24), 2959-62
 CODEN: BMCLE8; ISSN: 0960-894X
 DT Journal
 LA English
 OS CASREACT 124:202984

L10 ANSWER 38 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1996:6866 CAPLUS
 DN **124:45213**

TI Dual metalloprotease inhibitors. 6. incorporation of bicyclic and substituted monocyclic azepinones as dipeptide surrogates in angiotensin-converting enzyme (ACE)/neutral endopeptidase (NEP) inhibitors
 AU Robl, Jeffrey A.; Cimarusti, Maria P.; Simpkins, Ligaya M.; Brown, Baerbel; Ryono, Denis E.; Bird, J. Eileen; Asaad, Magdi M.; Schaeffer, Thomas R.; Trippodo, Nick C.
 CS Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-4000, USA
 SO J. Med. Chem. (1996), 39(2), 494-502
 CODEN: JMCMAR; ISSN: 0022-2623
 DT Journal
 LA English
 OS CASREACT 124:45213; CJACS-IMAGE; CJACS

L10 ANSWER 39 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1995:997846 CAPLUS
 DN **124:176541**
 TI Preparation of mono- and dimethylmetallocenes and their solutions especially for the use in the polymerization of olefins
 IN Lisowsky, Richard
 PA Witco GmbH, Germany
 SO Eur. Pat. Appl., 7 pp.
 CODEN: EPXXDW
 PI EP 682036 A2 951115
 DS R: AT, BE, DE, ES, FR, GB, GR, IT, NL, PT, SE
 AI EP 95-106258 950426
 PRAI DE 94-4416894 940513
 DT Patent
 LA German
 OS CASREACT 124:176541; MARPAT 124:176541

L10 ANSWER 40 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1995:996326 CAPLUS
 DN **124:145449**
 TI Method of preparing trifluoroacrylic acid fluoride
 IN Zapevalov, Aleksandr Ya.; Gorbunova, Tatyana I.; Saloutin, Viktor I.
 PA Otdel Tonkogo Organicheskogo Sinteza Instituta Organicheskoy Khimii Uralskogo Otdeleniya RAN, USSR
 SO Russ.
 From: Izobreteniya 1995, (14), 148.
 CODEN: RUXXE7
 PI RU 2035449 C1 950520
 AI RU 92-5068311 920825
 PRAI SU 92-5068311 920825
 DT Patent
 LA Russian
 OS CASREACT 124:145449

L10 ANSWER 41 OF 50 CAPLUS COPYRIGHT 1997 ACS
 AN 1995:993241 CAPLUS
 DN **124:87321**
 TI Novel Syntheses of Cyclopentenones and Alkenylsilanes from the Corresponding Alkyne-Dicobalt Hexacarbonyl Complexes
 AU Rao, Maddali Lakshmi Narayana; Periasamy, Mariappan
 CS School of Chemistry, University of Hyderabad, Hyderabad, 500 046, India
 SO Organometallics (1996), 15(1), 442-5
 CODEN: ORGND7; ISSN: 0276-7333

DT Journal
LA English
OS CASREACT 124:87321; CJACS-IMAGE; CJACS

L10 ANSWER 42 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:974885 CAPLUS

DN **124:175722**

TI Efficient palladium-catalyzed chirality transfer in allyl carbonates. An approach to .beta.-aryl-substituted .gamma.-lactones and .gamma.-hydroxy amides. Synthesis of the antidepressant (R)-Rolipram

AU Braun, Manfred; Opdenbusch, Kersten; Unger, Claudia

CS Inst. Organische Chemie, Heinrich-Heine-Univ. Duesseldorf, Duesseldorf, D-40225, Germany

SO Synlett (1995), (11), 1174-6
CODEN: SYNLES; ISSN: 0936-5214

DT Journal

LA English

OS CASREACT 124:175722

L10 ANSWER 43 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:972514 CAPLUS

DN **124:86690**

TI Synthetic experiments in lignans. Part XV. Reductive rearrangements of 2,6-diaryl-3,7-dioxabicyclo[3.3.0]octane lignans with AlCl₃ and (C₂H₅)₃SiH

AU Anjaneyulu, A. S. R.; Kumar, D. S.; Venkateswarlu, R.; Kamakshi, C.

CS Sch. Chem., Andhra Univ., Visakhapatnam, 530 003, India

SO Indian J. Chem., Sect. B: Org. Chem. Incl. Med. Chem. (1995), 34B(10), 897-9
CODEN: IJSBDB; ISSN: 0376-4699

DT Journal

LA English

OS CASREACT 124:86690

L10 ANSWER 44 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:957637 CAPLUS

DN **124:145823**

TI The tetrahydropyranyl group as a chiral auxiliary for the nucleophilic addition to .alpha.-alkoxy ketones

AU Charette, Andre B.; Benslimane, Abdel F.; Mellon, Christophe

CS Dep. Chim., Univ. Montreal, Montreal, PQ, H3C 3J7, Can.

SO Tetrahedron Lett. (1995), 36(47), 8557-60
CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English

OS CASREACT 124:145823

L10 ANSWER 45 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:950791 CAPLUS

DN **124:146775**

TI Synthesis of crystalline orthogonally N-protected (S)- or (R)-2,3-diaminopropionaldehyde from L- or D-aspartic acid

AU Schirlin, Daniel; Altenburger, Jean-Michel

CS Marion Merrell Dow Res. Inst., Strasbourg, F-67080, Fr.

SO Synthesis (1995), (11), 1351-2
CODEN: SYNTBF; ISSN: 0039-7881

DT Journal

LA English

OS CASREACT 124:146775

L10 ANSWER 46 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:933761 CAPLUS

DN **124:117022**

TI Facile synthesis of the key intermediate of EO 9 via the formation of the indole skeleton using the Nenitzescu reaction

AU Kinugawa, Masahiko; Arai, Hitoshi; Nishikawa, Hiroshi; Sakaguchi, Akihiko; Ogasa, Takehiro; Tomioka, Shinji; Kasai, Masaji

CS Sakai Research Lab., Kyowa Hakko Kogyo Co., Ltd., Sakai, 590, Japan

SO J. Chem. Soc., Perkin Trans. 1 (1995), (21), 2677-8

CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

OS CASREACT 124:117022; CJRSC

L10 ANSWER 47 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:822558 CAPLUS

DN **124:28987**

TI A large scale preparation of 1-ethynylcyclopentene and 1-hexen-4-yne

AU Davini, Enrico; Giongo, Matteo; Riocci, Mario

CS Eniricerche Spa, Monterotondo Scalo, 00016, Italy

SO Org. Prep. Proced. Int. (1995), 27(5), 586-90

CODEN: OPPIAK; ISSN: 0030-4948

DT Journal

LA English

OS CASREACT 124:28987

L10 ANSWER 48 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:809498 CAPLUS

DN **124:30290**

TI Improved preparation of enantiomerically pure 5-oxo amino acid derivatives by palladium-catalyzed coupling reactions

AU Fraser, Joanne L.; Jackson, Richard F. W.; Porter, Barry

CS Dep. Chem., Univ. Newcastle, Newcastle upon Tyne, NE1 7RU, UK

SO Synlett (1995), (8), 819-20

CODEN: SYNLES; ISSN: 0936-5214

DT Journal

LA English

OS CASREACT 124:30290

L10 ANSWER 49 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:807393 CAPLUS

DN **124:55517**

TI Neighboring rotor substituents on arene systems. Part 2.

1,8-Disubstituted naphthalenes by directed metalation and subsequent lithium-manganese exchange, including copper catalysis

AU Kiefl, Christoph; Mannschreck, Albrecht

CS Inst. Organische Chemie, Univ. Regensburg, Regensburg, D-93040, Germany

SO Synthesis (1995), (8), 1033-7

CODEN: SYNTBF; ISSN: 0039-7881

DT Journal

LA English

OS CASREACT 124:55517

L10 ANSWER 50 OF 50 CAPLUS COPYRIGHT 1997 ACS

AN 1995:733929 CAPLUS

DN **124:29322**

TI Palladium-catalyzed asymmetric hydrosilylation of styrenes with a
new chiral monodentate phosphine ligand
AU Kitayama, Kenji; Uozumi, Yasuhiro; Hayashi, Tamio
CS Dep. Chem., Fac. Sci., Kyoto Univ., Sakyo, 606-01, Japan
SO J. Chem. Soc., Chem. Commun. (1995), (15), 1533-4
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English
OS CASREACT 124:29322; CJRSC

=> s l10 and iridium
18777 Iridium
L11 0 L10 AND Iridium

=> d his

(FILE 'HOME' ENTERED AT 14:56:27 ON 06 MAR 97)

FILE 'CASREACT' ENTERED AT 14:56:38 ON 06 MAR 97
L1 STRUCTURE UPLOADED
L2 QUE L1
L3 0 S L2
L4 0 S L2 FULL

FILE 'CASREACT' ENTERED AT 14:59:32 ON 06 MAR 97
L5 STRUCTURE UPLOADED
L6 STRUCTURE UPLOADED
L7 STRUCTURE UPLOADED
L8 QUE L7
L9 50 S L5

FILE 'CAPLUS' ENTERED AT 15:03:00 ON 06 MAR 97
L10 50 S L9
L11 0 S L10 AND Iridium

=> s l6

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=> file casreact

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	38.84	119.34

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>>> Several important enhancements to CASREACT functional group <<<
>>> searching were introduced. Enter HELP FGA or HELP FGC for more <<<
>>> information. <<<

=> s 15-19

'L8' MAY NOT BE USED HERE

The L# entered was not created by a STRUCTURE or SCREEN command.

=> s 15-18

'L8' MAY NOT BE USED HERE

The L# entered was not created by a STRUCTURE or SCREEN command.

=> s 15

SAMPLE SEARCH INITIATED 15:05:56

L1 STRUCTURE UPLOADED

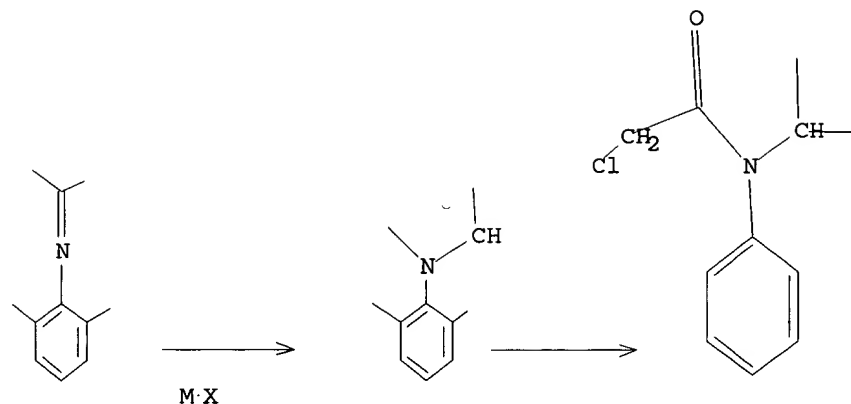
=> que L1

L2 QUE L1

=> d

'L2' HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2 QUE L1

=> s l2

SAMPLE SEARCH INITIATED 15:18:12

SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS
 100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1 (0 REACTIONS)

=> s l2 full

FULL SEARCH INITIATED 15:18:22

SCREENING COMPLETE - 10 REACTIONS TO VERIFY FROM 6 DOCUMENTS
 100.0% DONE 10 VERIFIED 0 HIT RXNS 0 DOCS
 SEARCH TIME: 00.00.02

L4 0 SEA SSS FUL L1 (0 REACTIONS)

L1 STRUCTURE UPLOADED

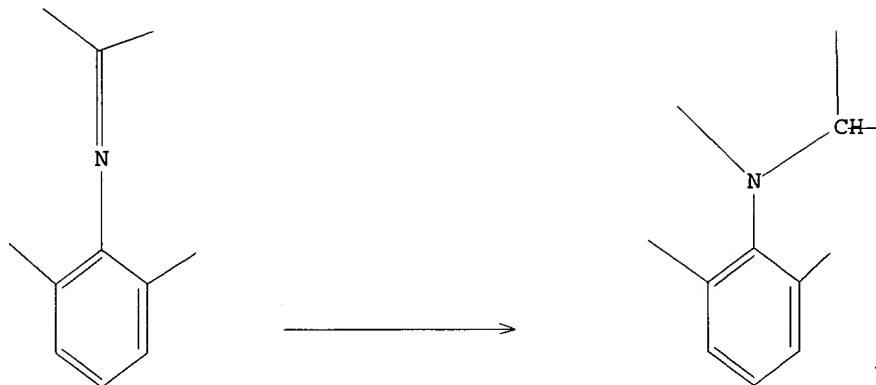
=> que L1

L2 QUE L1

=> d

'L2' HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2 QUE L1

=> s l2

SAMPLE SEARCH INITIATED 14:46:58

SCREENING COMPLETE -	0 REACTIONS TO VERIFY FROM	0 DOCUMENTS
100.0% DONE	0 VERIFIED	0 HIT RXNS
SEARCH TIME: 00.00.07		0 DOCS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 0 TO 0
 PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1 (0 REACTIONS)

=> s l2 full

FULL SEARCH INITIATED 14:47:32

SCREENING COMPLETE -	100 REACTIONS TO VERIFY FROM	22 DOCUMENTS
81.0% DONE	81 VERIFIED	0 HIT RXNS
90.0% DONE	90 VERIFIED	1 HIT RXNS
90.0% DONE	90 VERIFIED	1 HIT RXNS
93.0% DONE	93 VERIFIED	1 HIT RXNS
95.0% DONE	95 VERIFIED	1 HIT RXNS
100.0% DONE	100 VERIFIED	1 HIT RXNS
SEARCH TIME: 00.01.35		0 DOCS
		1 DOCS
		1 DOCS
		1 DOCS
		1 DOCS
		1 DOCS